

ProtoDev – 3v3

The **ProtoDev- 3V3** is a customized PIC Development PCB aimed specifically at Embedded Developers who want to explore and develop solutions for 3V3 applications. 3V3 or low voltage applications offer a number of advantages in terms of portability and extensibility and the ProtoDev 3v3 enables both the hobbyist and professional to develop a reliable and effective solution using a reliable and effective platform.

The ProtoDev-DX 3V3 is a compact and feature rich development PCB designed for the hobbyist and professional. Supporting both 28 and 40 PIN DIP packages, the ProtoDev – DX offers a cost effective, practical solution to PIC embedded



NOTE: Even though the ProtoDev 3v3 looks similar to the ProtoDev DX, they are functionally different and should not be confused as the same product.

development. Delivered fully assembled along with a PIC18F44J10 the PCB has 2 power supplies (3v3 and 5 Vdc), RS 232 to USB emulation, ICSP, ICD, Reset button, 2 Push Button switches, 2 LEDs and a watch crystal for additional timing applications. A prototyping area with horizontally connected pads makes for easy proof of concept design and development with additional devices e.g. LCD display or compatible temperature sensor. The PCB can be powered from a standard wall socket AC to DC converter power supply that has a 5Vdc output.

The hosted device can be programmed using an ICSP or ICD compatible on PCB socket or header. Communications to a PC is simple and easy using the FTDI USB to RS232 emulator and mini USB connector makes connection simple.

The adjacent prototyping (like strip board) area enables the developer to solder in additional components and devices. All PIC I/O is tracked to the connector strip and labelled, which is located conveniently close to the prototyping area.

ProtoDev Features	
Power Supply	> 5Vdc <7Vdc
Programming	ICSP and ICD 2 compatible interfaces
Communications	FTDI RTL232 USB to RS232 Emulation
I/O	2 LEDs + 2 Push Buttons
PIC Support	40 PIN DIP
Families	J:18FXX
Oscillator	8Mhz Crystal Watch crystal



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